



SPECTRUM ANALYTICS CAPABILITIES

Radar SSPN-43 Detector

Frequency scan range (MHz)	3500–3650
Trigger sensitivity (dBm)	-64
Instantaneous bandwidth (MHz)	30
Temporal feature validation	Pulse width pulse interval
Temporal feature resolution (ns)	62.5
False positive rate (%)	0.00
Detection rate in presence of CBSD (5)	98.40

3G Downlink

Sync type(s)	P-SCH, S-SCH
Data	P-CCPCH (BCH decode)
Measurements	RSSI, SCH, CPICH, P-CCPCH Ec/I _{or}
Channel bandwidth (MHz)	5
Antenna configurations	SISO
CH landscape	P-SCH delay spread profile
PLMN scan rate (ch/s)	20
P-CCPCH Ec/I _{or}	-118 (rev D), -121(rev E)

4G LTE Downlink

Sync type(s)	P-SCH, S-SCH
Data	MIB decode, SIB1 decode, DCI-based occupancy
Measurements	RSSI, cell ID, eNB stats (NDLRB, PHICH duration) SINR, RSRP, RSQ, number of DCIs, RNTIs
Channel bandwidth (MHz)	1.4/3/5/10/15/20
Antenna configurations	DL diversity (4×1, 2×1)
PLMN scan rate (ch/s)	18
Sync/ms	100
MIB/ms	130
SIB1/ms	230
DCI occupancy	250
SCH sensitivity (dBm)	-112
MIB	-109
SIB1	-97

Bluetooth

Sync type(s)	Preamble
Data	Header
Measurements	RSSI
Channel bandwidth (MHz)	1
Antenna configurations	SISO

Wi-Fi

Sync type(s)	DSSS, OFDM
Data	Full PLCP (SYNC, SFD, SIGNAL, SERVICE etc), MPDU/PSDU
Channel bandwidth (MHz)	22
Antenna configurations	SISO
CH landscape	Channel occupancy, link quality